

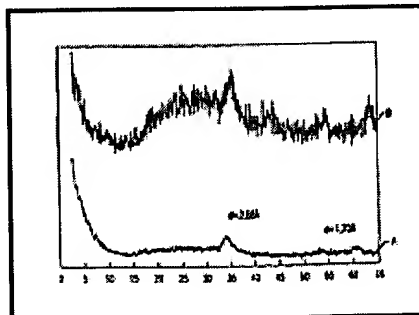


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(51)⁶ **C10G 47/02, 47/24, 47/04, 11/00, 11/02, 11/04**
(54) **PRODUCTION OF LOW SULFUR/LOW NITROGEN
HYDROCRACKATES**
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(81) **AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HR, HU, ID, IL,**
IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ,
PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA ; AP
(GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW) ; EA (AM, AZ, BY
KG, KZ, MD, RU, TJ, TM) ; EP (AT, BE, CH, CY, DE, DK, ES, FI, FR
GB, GR, IE, IT, LU, MC, NL, PT, SE) ; OA (BF, BJ, CF, CG, CI, CM,
GA, GN, GW, ML, MR, NE, SN, TD, TG)

A two stage hydrodesulfurizing process for producing low sulfur distillates. A distillate boiling range feedstock containing in excess of about 3,000 wppm sulfur is hydrodesulfurized in a first hydrodesulfurizing stage containing one or more reaction zones in the presence of



hydrogen and a hydrodesulfurizing catalyst.

The liquid product stream thereof is passed to a first separation stage wherein a vapor phase product stream and a liquid product stream are produced. The liquid product stream, which has a substantially lower sulfur and nitrogen content than the original feedstream is passed to a second hydrodesulfurizing stage also containing one or more reaction zones where it is reacted in the presence of hydrogen and a second hydrodesulfurizing catalyst at hydrodesulfurizing conditions. The catalyst in any one or more reaction zones is a bulk multimetallic catalyst comprised of at least one Group VIII non-noble metal and at least two Group VIB metals.



Presentation:

Basic



Image:

Small



Français



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